CLAIMS

What is claimed is:

1. A composite comprising:

a coil of laminate material, said laminate material comprising a plurality of continuous reinforcement fibers disposed within a polymer matrix.

2. A composite structure according to claim 1 where said laminate defines a first surface, said first surface having chopped fibers disposed thereon.

3. The composite structure according to Claim 2 wherein about 10-30% of the fibers are chopped fibers.

4. The composite structure according to Claim 3 wherein about 20% of the fiber is chopped fiber.

5. The composite structure according to Claim 1 further comprising a woven fiber mat.

6. The composite according to Claim 1 wherein said matrix is a vinyl ester.

7. The composite according to Claim 1 further comprising a spanner.

8. The composite according to Claim 7 wherein said spanner comprises chopped fibers.

9. The composite according to Claim 1 where said fibers are selected from the group of e-glass, Kevlar® and carbon fibers.

10. The composite according to Claim 1 where said continuous fiber is a yarn.

11. A method for providing a composite material comprising the steps of :

providing a laminate pre-preg film having a plurality of parallel continuous fibers disposed in an uncured polymer matrix;

forming a coil of said laminate; and

applying pressure and elevated temperature to said coil to cure the polymer.

12. The method according to Claim 11 further comprising the step of providing a spanner.

13. The method according to Claim 12 further comprising the step of disbursing chopped fibers over said pre-preg laminate, prior to forming a coil of said laminate.

14. A composite structure comprising a coil of laminate material, said laminate material comprising a plurality of continuous reinforcement fibers disposed within a polymer matrix and having a first surface having chopped fibers disposed thereon;

said matrix comprising a vinyl ester.

15. The composite structure according to Claim 14 wherein about 10%-30% by weight of the fibers are chopped fibers.

16. The composite structure according to Claim 15 wherein about 20% by weight of the fibers are chopped fibers.

17. The composite structure according to Claim 16 further comprising a spanner.

18. The composite structure according to Claim 17 wherein said spanner comprises chopped fiber.

19. The composite structure according to Claim 18 wherein said continuous fiber is a yarn comprising e-glass.

20. The composite structure according to Claim 18 wherein said chopped fiber is selected from the group of e-glass, Kevlar® and carbon fiber.